Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	04/07/2021 09:37 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	04/05/2021 10:33 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	12757	Expiration Date:	06/30/2022
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	123450	-2	2.98	123199	3.04
Blue	F	SSC	125000	123302	-2	4.84	123415	4.67
Blue	E	FITC	14400	13929	-4	3.43	320	15.74
Blue	D	PE	24713	24201	-3	3.01	553	11.02
Blue	B	PerCP-Cy5-5	31796	31014	-3	4.07	1026	15.17
Blue	A	PE-Cy7	21240	20940	-2	6.07	557	29.80
Red	C	APC	41319	40571	-2	3.78	1695	11.73
Red	A	APC-Cy7	21019	20440	-3	4.03	766	11.58
Violet	B	V450	7305	7051	-4	4.08	432	12.33
Violet	A	V500	28652	27509	-4	3.68	688	9.90

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	23039	3.07	570	1	N/A	N/A	Pass
Blue	F	SSC	57184	3.40	519	7	N/A	N/A	Pass
Blue	E	FITC	58	54.24	495	4	0.0407	55	Pass
Blue	D	PE	116	37.97	492	5	0.4535	378	Pass
Blue	B	PerCP-Cy5-5	190	36.51	588	4	0.0185	44	Pass
Blue	A	PE-Cy7	110	68.43	635	5	0.0211	0	Pass
Red	C	APC	394	22.98	575	2	0.0263	37	Pass
Red	A	APC-Cy7	171	26.96	545	0	0.0067	1068	Pass
Violet	B	V450	60	58.33	456	0	0.0571	1707	Pass
Violet	A	V500	98	32.95	469	-1	0.0261	648	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.97 - 71.95	N/A	N/A	-31.63	-31.50	1.00
Blue	20.35	16.27 - 24.41	1.28	0.99 - 1.49	0.00	0.00	1.42
Red	19.61	15.99 - 23.99	N/A	N/A	29.85	30.14	1.20

Window Extension: 7.00
FSC Area Scaling Factor: 0.75

Threshold

Threshold (FSC): 11294

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments